

ABSTRACT OF DISCLOSURE

A scene change detector includes first and second frame buffers individually storing two image frame data to detect a scene change, a first and a second color space conversion units converting the image frame data stored in the first and second frame buffers into predetermined first and second color signals and outputting the first and second color signals to first and second histogram detection units, respectively, first and second histogram detection units calculating histograms from the color signals converted at first and second color space conversion units, a cross correlation coefficient calculation unit calculating a correlation value between a first histogram calculated at the first histogram detection unit and a second histogram calculated at the second histogram detection unit, and a decision unit outputting a scene change signal by comparing a value calculated at the cross correlation coefficient calculation unit with a predetermined threshold. Accordingly, the scene change can be detected by using the histograms from the color signals.